STINGER LAUNCHER SIMULATOR

Training Category/Level Utilized:
Air Defense/Level 3

Logistic Responsible Command, Service, or Agency:
AMCOM

Source and Method of Obtaining:
Available through local TSC.

Purpose of Trainer:
The Stinger Launcher Simulator (STLS) provides a means of training and establishing performance proficiency of the Stinger gunner by duplicating the firing sequence through the launch eject phase. This includes activation, target acquisition, time delay, noise, recoil, weight, center of gravity, and weight loss during launch.

Functional Description:
STLS is a modified Stinger launcher which incorporates the same operational controls and requires the same sequence of events (except the addition of a gas coolant reservoir) to duplicate firing of the Stinger weapon. A Stinger seeker mounted beneath the STLS launch tube, provides the gunner with the ability to track infrared targets. Electrical power required for the seeker and launcher is supplied by a nicad battery installed in the gripstock. The argon gas required to cool the seeker is supplied through a one-shot argon gas reservoir installed near the seeker.

Physical Information:
Launcher: 62" x 8" x 10"; 39.7 lb
Battery: 5.4" x 3.2"; weight 3.3 lb
Container: 66" x 13.5" x 13"; 47.8 lb empty; 90.9 lb full

Equipment Required, Not Supplied:
Must be requisitioned by eject missile groups. Eject missile group consists of 4 each eject missile assemblies, 6 each gas reservoir assemblies, and a shipping and storage container.

Special Installation Requirements:
Eject missile assembly and gas reservoir assembly must be installed by the gunner prior to firing.

Power Requirements:
Nicad battery located in the gripstock.

Applicable Publications:
TM 9-6920-429-12
TM 9-6920-430-14

Reference Publications:
FM 44 18-1
TM 9-1425-429-24P

Training Requirements Supported:
MOSC 16S

STINGER TROOP PROFICIENCY TRAINER (STPT)

DVC 44-52/1 **STINGER TROOP PROFICIENCY TRAINER (STPT) SUPPORT PACKAGE**
DVC 44-52/1A **STINGER TROOP PROFICIENCY TRAINER (STPT) UPGRADED SUPPORT PACKAGE**

Training Category/Level Utilized:
Air Defense/Level 3

Logistic Responsible Command, Service, or Agency:
STRICOM

Source and Method of Obtaining:
Available through local TSC.

Purpose of Trainer:
To provide realistic training in the tactics and use of the Stinger weapon system.

Functional Description:
The STPT is a training device that uses computer generated graphics and sound to provide realistic background and targets for the purpose of training gunners in target identification, tactics and firing procedures used with the Stinger weapons. The trainer is configured with 20 preplanned scenarios using various aircraft and terrains. The instructor can determine the scenarios to be used by specifying selected targets, terrain, target speed, flight path, distance and disturbances. The instructor has the ability to start/stop a scenario at any time and can also freeze the action and critique the student at any time. The instructor can communicate with the student and a third party by the use of headsets provided with the trainer. After completion of a scenario the instructor can replay the mission and critique the gunners on their performance. A permanent record can be generated from the trainer's database showing the scenarios performed and the gunner's score.

The trainer consists of three assemblies. Unit 1 contains the monitor assembly and Unit 2 contains the computer assembly. Together they make up the instructor station that is used to run the scenarios and evaluate the gunner. They are each housed in a separate ruggedized container that also serves as their shipping containers. The instructor station also contains the communication hook-up for the headsets used by the instructor, gunner and observer. Unit 3 is an interface unit that attaches the weapon to the instructor station. The interface unit for the Stinger is a mock-up of the weapon on which a monitor is mounted for the sight picture and gyros are used to sense the gunner's movements and to detect the weapons position. The controls and functions of the surrogate Stinger are the same as those on the actual weapon. The weapons weight and center of gravity are maintained to provide the actual feel of the weapon in the field.

Physical Information:
Number of pieces: 3
Unit 1: 28" H x 27 1/2" D x 26 14/16" W; 125.7 lb
Unit 2: 28" H x 27 1/2" D x 26 14/16" W; 255.7 lb
Unit 3: 14 3/8" H x 59 13/16" D x 19 1/2" W; 34.5 lb
Total System Weight: 315.9 lb

Equipment Required, Not Supplied:
None

Special Installation Requirements:
None

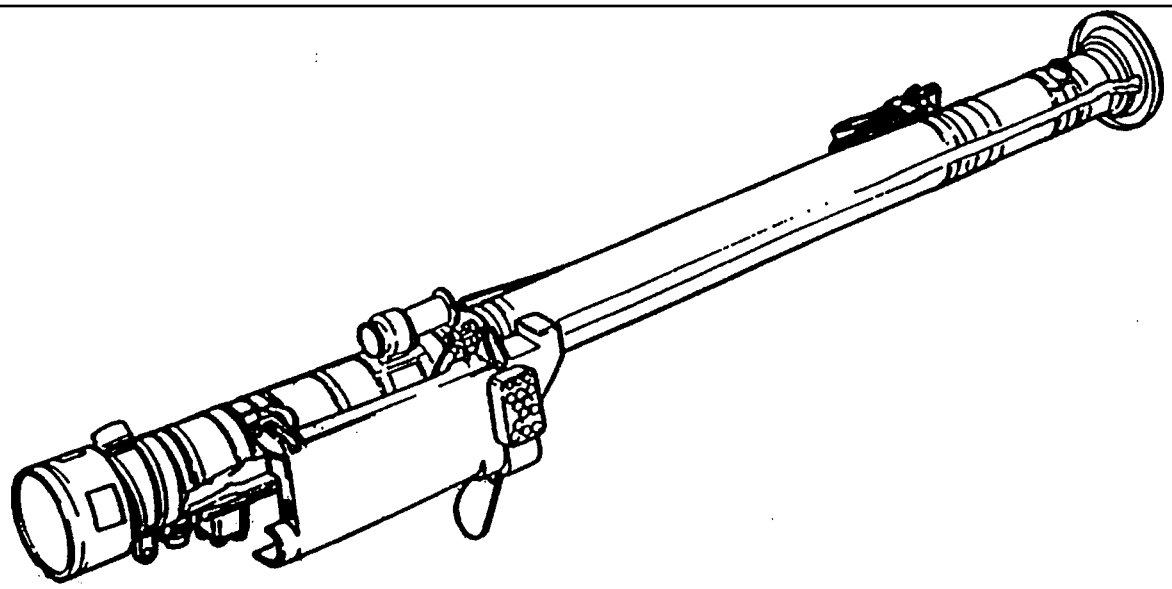
Power Requirements:
115 vac, 50/60 Hz
220 vac, 50/60 Hz
24 vdc

Applicable Publications:
Stinger Instructor/Operator Manual TD 44-6920-702-10
System Maintenance Manual TD 44-6920-703

Reference Publications:
FM 44-18-1

Training Requirements Supported:
MOSC 16S

AVENGER CAPTIVE FLIGHT TRAINER (CFT)



Training Category/Level Utilized:
Air Defense/Platoon Level

Logistic Responsible Command, Service, or Agency:
B64 (AMCOM)

Source and Method of Obtaining:
If a requirement exists, NICP at (AMCOM)

Purpose of Trainer:
To train in the techniques of acquiring tracking and engaging targets with the AVENGER, ATAS and LINEBACKER Weapon Systems.

Functional Description:
A simulated weapon with the same appearance as the tactical round with electrical components necessary to provide the trainer with the same audio/visual indications as the tactical weapon for the purpose of acquiring and tracking a target.

Physical Information:
In storage container
Weight 76 pounds
Length 66 inches
Width 13.5 inches
Height 13.2 inches
Unpacked/Ready for Training
Weight 23 pounds
Length 60 inches

Equipment Required, Not Supplied:
AVENGER, ATAS or LINEBACKER Weapon System
Argon Gas Bottles (usually supplied with weapon system)
Argon Gas

Special Installation Requirements:
None

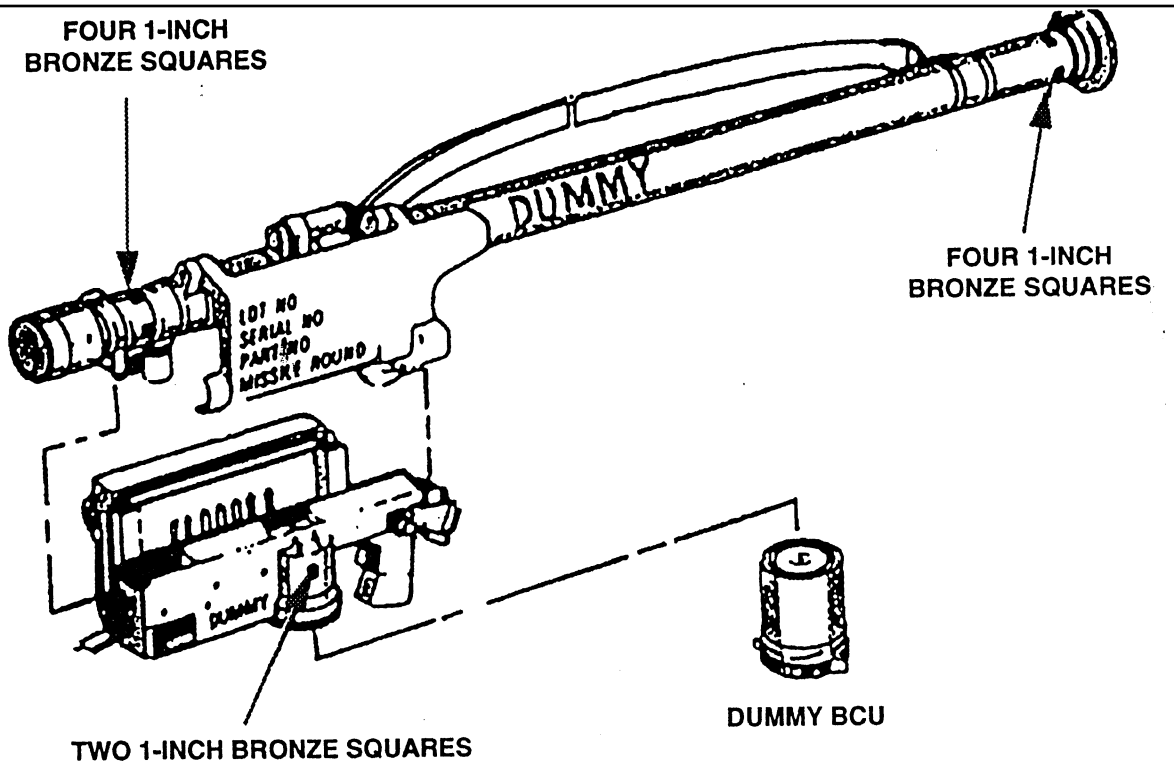
Power Requirements:
Powered by the Weapon System

Applicable Publications:
TM 9-6920-429-12

Reference Publications:
TM 9-1440-431-23P

Training Requirements Supported:
(Information not available)

STINGER FIELD HANDLING TRAINER (FHT)



Training Category/Level Utilized:
Air Defense/Team or Squad

Logistic Responsible Command, Service, or Agency:
B64 (AMCOM)

Source and Method of Obtaining:
If Requirement Exists, NICP at AMCOM

Purpose of Trainer:
To provide practice in the basic skills of Weapon Handling to Include Reaction Times, Sighting and Ranging.

Functional Description:
A Dummy Missile Round, a Dummy Separable Gripstock, a Dummy IFF Interrogator Beltpack with interconnecting Cables, and a Dummy Battery Coolant Unit (BCU).

Physical Information:
In storage container
Weight 100 pounds
Length 66 inches
Width 13.5 inches
Height 18 inches
Unpacked/Ready for Training
Weight 36.1 pounds
Length 59.5 inches

Equipment Required, Not Supplied:
MANPADS None
ATAS, AVENGER, and LINEBACKER Weapon System
ARGON Gas

Special Installation Requirements:
None

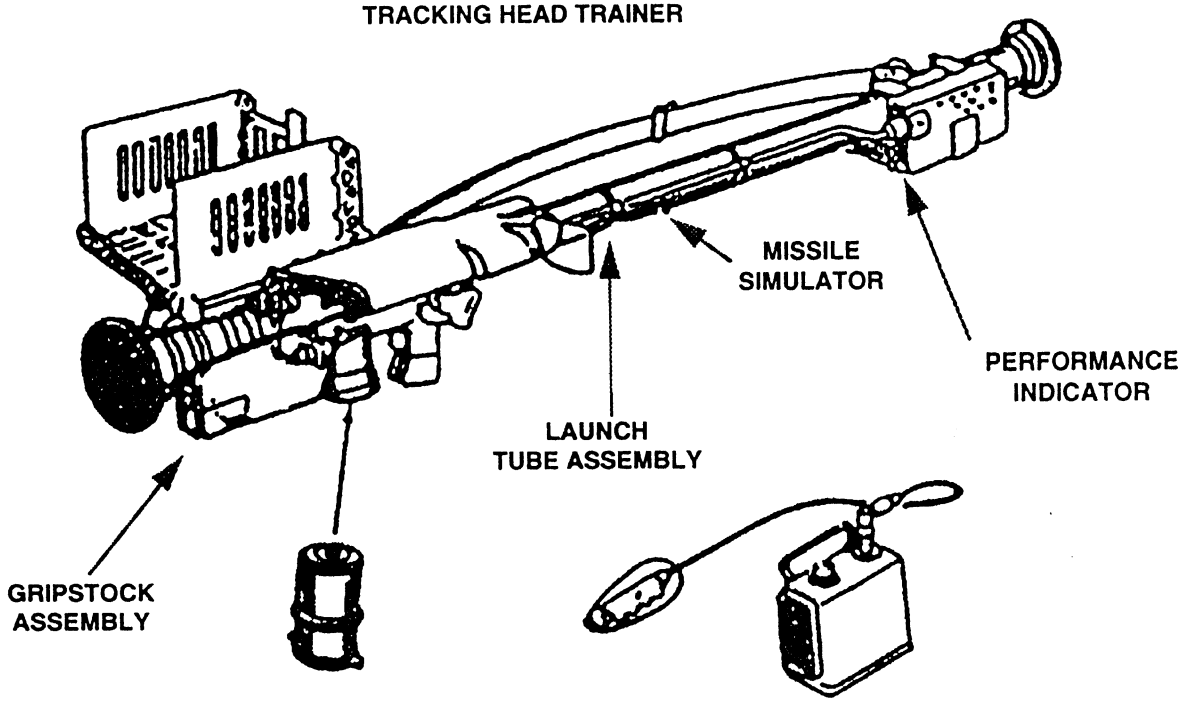
Power Requirements:
None

Applicable Publications:
TM 9-1425-429-12

Reference Publications:
TM 9-1425-429-24P

Training Requirements Supported:
(Information not available)

STINGER TRACKING HEAD TRAINER SET



Training Category/Level Utilized:
Air Defense/Team or Squad

Logistic Responsible Command, Service, or Agency:
B64 (AMCOM)

Source and Method of Obtaining:
If Requirement Exists, NICP at AMCOM

Purpose of Trainer:
To train in the techniques of acquiring, tracking, and engaging targets in the MAMPADS mode.

Functional Description:
A simulated weapon with the same appearance as the tactical round with electrical components necessary to provide the trainer with the same audio/visual indications as the tactical weapon.

Physical Information:
In Storage Container
Weight 123 pounds
Length 66 inches
Width 13.5 inches
Height 13.2 inches

Unpacked/Ready for Training
Weight 37 pounds
Length 60 inches

Equipment Required, Not Supplied:
(Information not available)

Special Installation Requirements:
None

Power Requirements:
Trainer Battery (6920-01-186-0517)
Argon Gas

Applicable Publications:
TM 9-6920-429-12

Reference Publications:
TM 9-1425-429-24P

Training Requirements Supported:
(Information not available)

LOS-F-H UNIT CONDUCT OF FIRE TRAINER (U-COFT)

(PICTURE NOT AVAILABLE)

Training Category/Level Utilized:
Air Defense Artillery/Level 3

Logistic Responsible Command, Service, or Agency:
AMCOM

Source and Method of Obtaining:
Not generally available for issue (limited production).

Purpose of Trainer:
To provide realistic training of Bradley Commander/ Squad Leader and gunner in a wartime environment. It is used at the institution to train initial entry and transition personnel and in the unit for skills sustainment training. The U-COFT reduces the need for live aircraft, targets, and suitable ranges for gunnery training. It reduces instructor/operator (I/O), ammunition, and fire unit requirements.

Functional Description:
LOS-F-H U-COFT is the main device for training gunnery skills. It is a modular computer-based gunnery trainer for the Bradley Commander/ Squad Leader and gunner, which generates digitized battlefield scenarios, providing full training of all identified Bradley gunnery tasks. The U-COFT is composed of one crew and one I/O station.

Physical Information:
(Information not available)

Equipment Required, Not Supplied:
(Information not available)

Special Installation Requirements:
(Information not available)

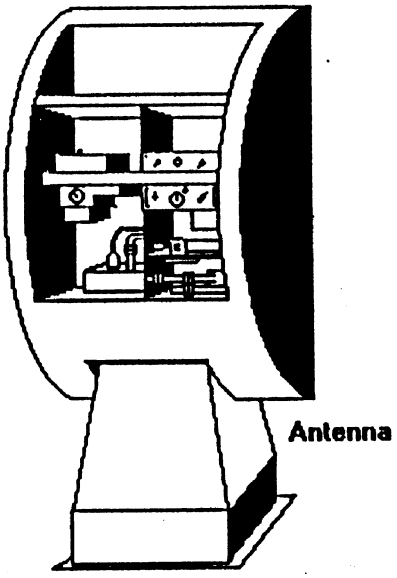
Power Requirements:
(Information not available)

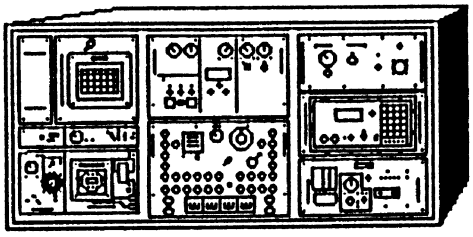
Applicable Publications:
(Information not available)

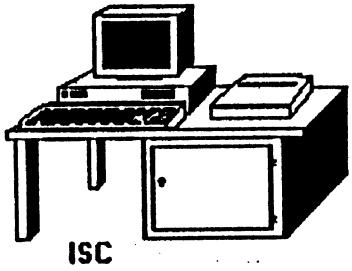
Reference Publications:
(Information not available)

Training Requirements Supported:
(Information not available)

HAWK ADVANCED TRAINING SIMULATOR (HATS) - CONTINUOUS WAVE ACQUISITION RADAR (CWAR)







Training Category/Level Utilized:
Air Defense Artillery/Level 1

Logistic Responsible Command, Service, or Agency:
STRICOM

Source and Method of Obtaining:
Not generally available for issue (limited production).

Purpose of Trainer:
To train personnel on maintenance procedures pertaining to the Continuous Wave Acquisition Radar (CWAR). This device will be used to train initial entry personnel. Device reduces the use of tactical equipment, improves training and provides a modern training base.

Functional Description:
Hawk Advanced Training Simulator (HATS) for the CWAR is a computer-based device that consists of an Instructor/ Student Console, Antenna Pedestal, and Radar Set Group Cabinet. It simulates faults by producing the same indications as the tactical equipment with an identical fault. Students can troubleshoot the fault using the applicable procedures from Hawk technical manuals. Once the problem has been isolated, students can simulate the repair of the faulty component.

Physical Information:
Instructor/Student Console: 27" H x 32" D x 46" W; 220 lb
Radar Set Group Cabinet: 35" H x 27" D x 74" W; 745 lb
Antenna Pedestal: 83" H x 32" D x 42" W; 425 lb

Equipment Required, Not Supplied:
None

Special Installation Requirements:
None

Power Requirements:
110 vac, 60 Hz, 750 W (maximum), 450 W (nominal)

Applicable Publications:
HATS CWAR User Manual 1 and 2

Reference Publications:
None

Training Requirements Supported:
Officer and Enlisted Courses:

2-44-C20 (14D)	2F-FOA-F14
2F-14D (PIP III)	2F-14D (PIP III)-RC PHASE 2
2F-14D (PIP III)-RC PHASE 4	
4F-140D (PIP III)	043-14D10
632-23R10	Foreign Military Sales (FMS)

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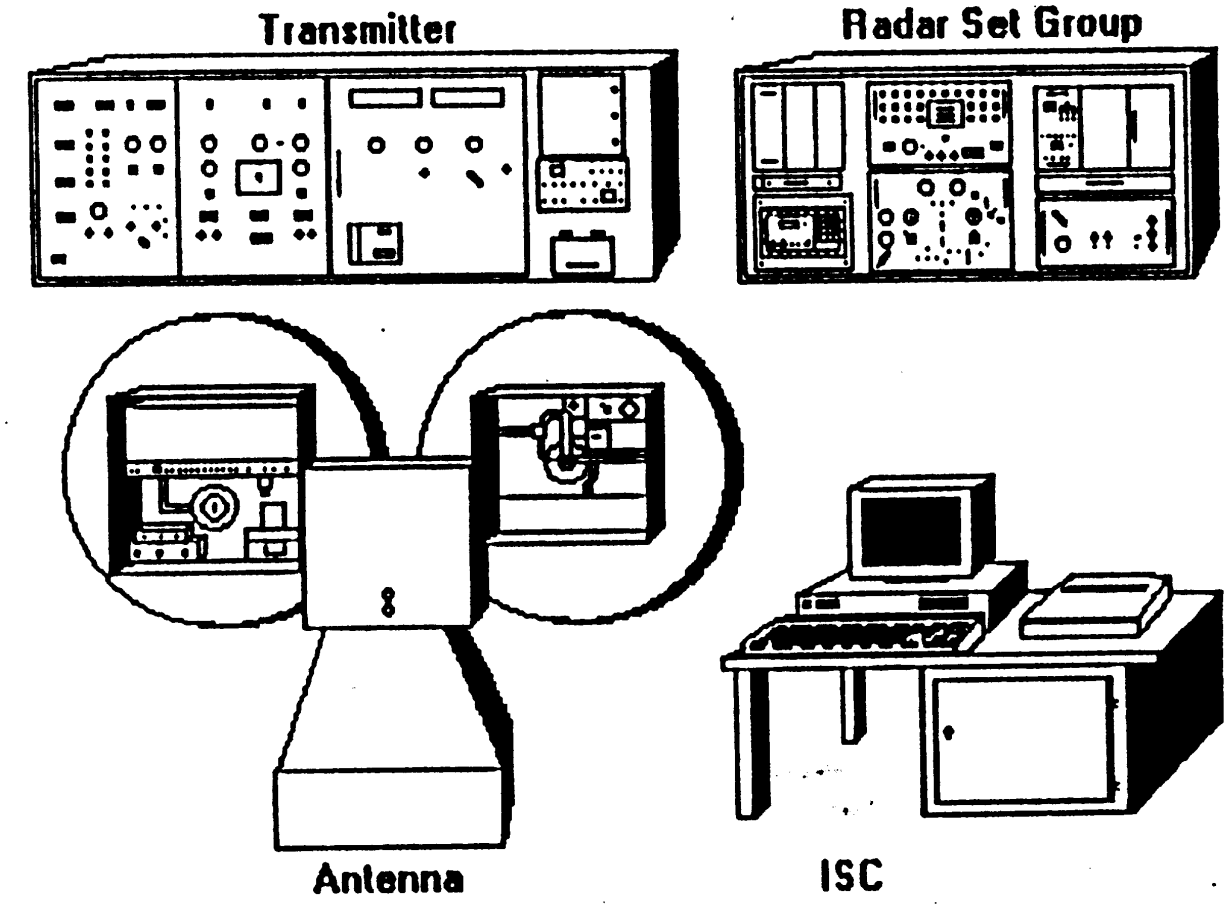
HAWK ADVANCED TRAINING SIMULATOR (HATS) - HIGH POWER ILLUMINATOR RADAR (HPI)



Training Category/Level Utilized:
Air Defense Artillery/Level 1

Logistic Responsible Command, Service, or Agency:
STRICOM

Source and Method of Obtaining:
Not generally available for issue (limited production).

Purpose of Trainer:
To train personnel on maintenance procedures for the High Power Illuminator Radar (HPI). This device will also be used to train initial entry personnel. Device reduces the use of tactical equipment, improves training, and provides a modern training base.

Functional Description:
Hawk Advanced Training Simulator (HATS) for the HPI is a computer-based device that consists of an Instructor/Student Console, Antenna Pedestal, Transmitter Cabinet, and Radar Set Group Cabinet. It simulates faults by producing the same indications as the tactical equipment with an identical fault. Students can troubleshoot the fault using the applicable procedures from Hawk technical manuals. Once the problem has been isolated, students can simulate the repair of the faulty component.

Physical Information:
Instructor/Student Console: 27" H x 32" D x 46" W; 220 lb
Radar Set Group Cabinet: 35" H x 29" D x 93" W; 600 lb
Antenna Pedestal: 72" H x 36" D x 90" W; 650 lb
Transmitter Cabinet: 35" H x 27" D x 74" W; 770 lb

Equipment Required, Not Supplied:
None

Special Installation Requirements:
None

Power Requirements:
110 vac, 60 Hz, 750 W (maximum), 450 W (nominal)

Applicable Publications:

HATS CWAR User Manual 1 and 2

Reference Publications:

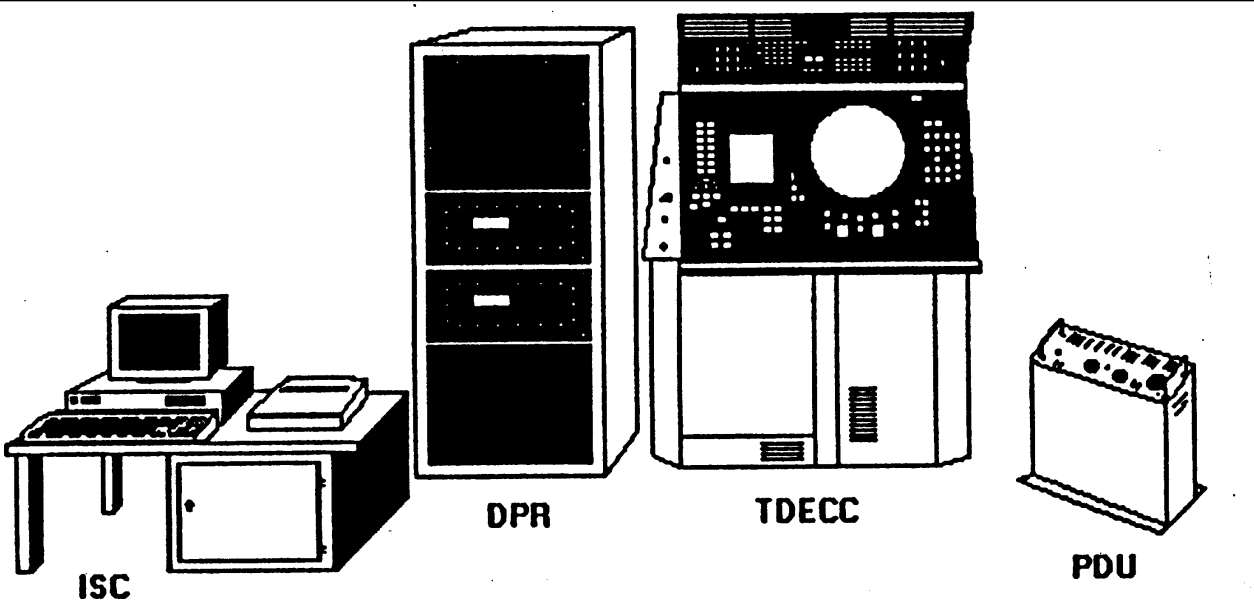
None

Training Requirements Supported:

Officer and Enlisted Courses:

2-44-C20 (14D)	2F-FOA-F14
2F-14D (PIP III)	2F-14D (PIP III)-RC PHASE 2
2F-14D (PIP III)-RC PHASE 4	
4F-140D (PIP III)	043-14D10
632-23R10	Foreign Military Sales (FMS)

HAWK ADVANCED TRAINING SIMULATOR (HATS) PLATOON COMMAND POST (PCP)



Training Category/Level Utilized:
Air Defense Artillery/Level 1

Logistic Responsible Command, Service, or Agency:
STRICOM

Source and Method of Obtaining:
Not generally available for issue (limited production).

Purpose of Trainer:
To train operators on air defense missions and maintenance personnel on maintenance procedures for the Platoon Command Post (PCP). This device will also be used to train initial entry personnel. Device reduces the use of tactical equipment, improves training, and provides a modern training environment.

Functional Description:
Hawk Advanced Training Simulator (HATS) for the PCP is a computer-based device that consists of an Instructor/ Student Console and three-dimensional mock-up of Tactical Display and Engagement Control Console (TDECC), Data Processing Rack (DPR), Power Distribution Unit (PDU) and T1 Transformer. It simulates faults by producing the same indications as the tactical equipment with an identical fault. Students can troubleshoot the fault using the applicable procedures from Hawk technical manuals. Once the problem has been isolated, students can simulate the repair of the faulty component. In the operator training mode, the PCP simulator emulates the tactical equipment during typical air defense mission scenarios. Students and instructors can create, load, and run scenarios in the same manner as they would tactical equipment.

Physical Information:
Instructor/Student Console: 27" H x 32" D x 46" W; 220 lb
TDECC: 75" H x 39" D x 54" W; 503 lb
PDU: 17" H x 16" D x 25" W; 55 lb
DPR: 58" H x 36" D x 24" W; 175 lb

Equipment Required, Not Supplied:
None

Special Installation Requirements:
None

Power Requirements:
110 vac, 60 Hz, 750 W (maximum), 450 W (nominal)

Applicable Publications:
HATS CWAR User Manual 1 and 2

Reference Publications:
None

Training Requirements Supported:
Officer and Enlisted Courses:

2-44-C20 (14D)	2F-FOA-F14
2F-14D (PIP III)	2F-14D (PIP III)-RC PHASE 2
2F-14D (PIP III)-RC PHASE 4	
4F-140D (PIP III)	043-14D10
632-23R10	Foreign Military Sales (FMS)

HAWK TRAINING MISSILE, M18E2

(PICTURE NOT AVAILABLE)

Training Category/Level Utilized:
Air Defense Artillery/Level 3

Logistic Responsible Command, Service, or Agency:
AMCOM

Source and Method of Obtaining:
Not generally available for issue (limited production).

Purpose of Trainer:
The M18E2 is used for realistic training in missile canning, decanning, and transfer procedures. The M18E2 is used to train initial entry personnel and for sustainment training at the unit. Eliminates the use of live tactical missiles in training. The M18E2 does not pose an explosive hazard.

Functional Description:
The Hawk training missile M18E2 is a dummy missile (inert) with the same physical characteristics as a tactical missile.

Physical Information:
(Information not available)

Equipment Required, Not Supplied:
(Information not available)

Special Installation Requirements:
(Information not available)

Power Requirements:
(Information not available)

Applicable Publications:
(Information not available)

Reference Publications:
(Information not available)

Training Requirements Supported:
(Information not available)

HAWK TRAINING MISSILE, MTM-23B

(PICTURE NOT AVAILABLE)

Training Category/Level Utilized:
Air Defense Artillery/Level 3

Logistic Responsible Command, Service, or Agency:
AMCOM

Source and Method of Obtaining:
Not generally available for issue (limited production).

Purpose of Trainer:
The MTM-23B missile is used for realistic training in arming and disarming, battery checks, emergency disarm, loading and reloading, battle drills, and SATA checks. The MTM-23B is used to train initial entry personnel and for sustainment training at the unit. Eliminates the use of live tactical missiles in training. The MTM-23B does not pose an explosive hazard.

Functional Description:
The Hawk training missile MTM-23B is a dummy missile (inert) with the same physical characteristics as a tactical missile. The MTM-23B contains an internal simulator which permits safety and arming training.

Physical Information:
(Information not available)

Equipment Required, Not Supplied:
(Information not available)

Special Installation Requirements:
(Information not available)

Power Requirements:
(Information not available)

Applicable Publications:
(Information not available)

Reference Publications:
(Information not available)

Training Requirements Supported:
(Information not available)

MISSILE ROUND TRAINER (MRT) - WEIGHTED

(PICTURE NOT AVAILABLE)

Training Category/Level Utilized:
Air Defense Artillery/Level 3

Logistic Responsible Command, Service, or Agency:
AMCOM

Source and Method of Obtaining:
Not generally available for issue (limited production).

Purpose of Trainer:
The Missile Round Trainer (MRT) is used in both institution and unit to teach Patriot missile crew members handling, loading, and electrical checks without using a ready round. Eliminates the use of live missiles for training.

Functional Description:
MRT simulates a Patriot ready round missile in size, weight, shape, and electrical connections.

Physical Information:
(Information not available)

Equipment Required, Not Supplied:
(Information not available)

Special Installation Requirements:
(Information not available)

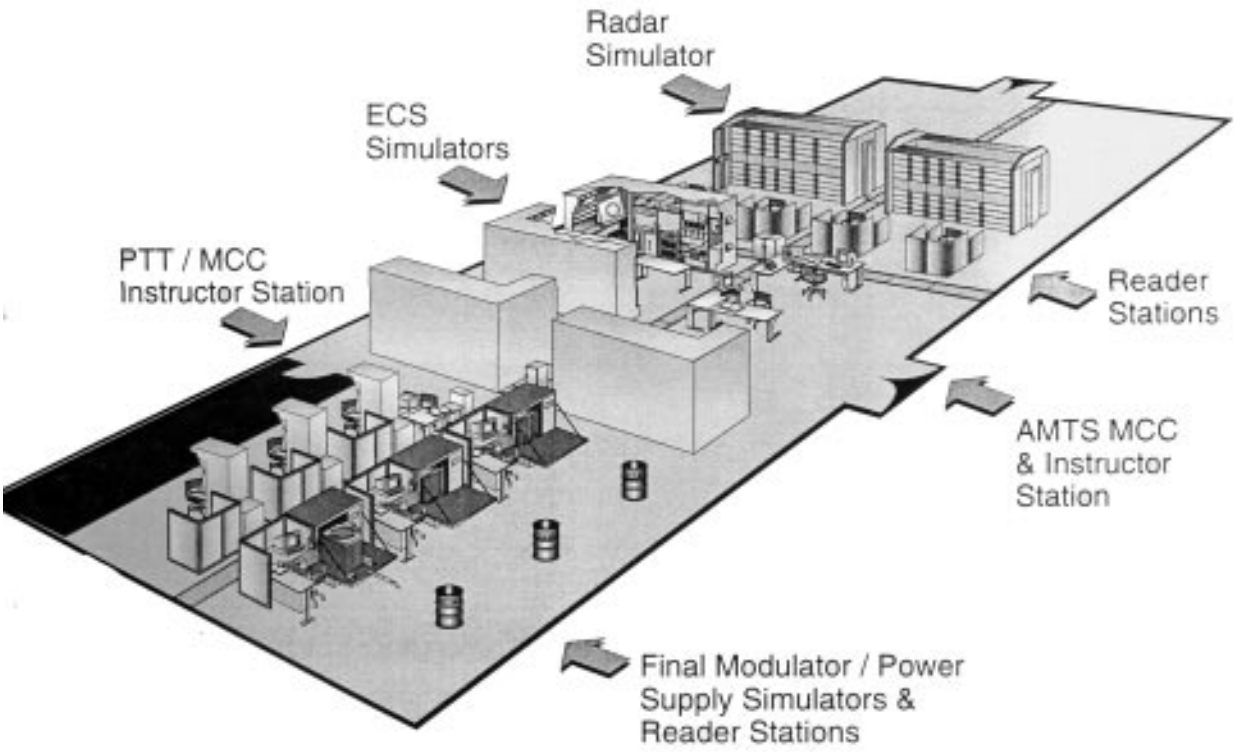
Power Requirements:
(Information not available)

Applicable Publications:
(Information not available)

Reference Publications:
(Information not available)

Training Requirements Supported:
(Information not available)

PATRIOT ORGANIZATIONAL MAINTENANCE TRAINER (POMT)



Training Category/Level Utilized:
Air Defense Artillery/Level 3

Logistic Responsible Command, Service, or Agency:
AMCOM

Source and Method of Obtaining:
(Information not available)

Purpose of Trainer:
(Information not available)

Functional Description:
The POMT training device provides the capability to simultaneously train fourteen, two man PATRIOT operator/maintainer teams in the maintenance of the PATRIOT ECS and radar in a school environment. Training is accomplished at the system and part tasks levels using display aided maintenance (DAM) and non-DAM procedures. Tasks include fault locate, remove and replace (R&R), calibrate, adjust, operate and test.

The POMT assemblies are simulations of the tactical assemblies which are either actively or passively simulated. Active assemblies are active to the extent necessary to perform the maintenance task. Active assemblies may contain switches, lamps, alphanumeric displays, keyboards and loopback sensing connections. Passive assemblies are simulators designed for fidelity reasons only. There are two tactical RF oscillators in the POMT system. There are no tactical circuit card assemblies in the POMT. The POMT systems use commercial computer workstations along with a local area network and a VME interface rack/modules to control and process training and maintenance activities.

The POMT is separated into three major sections: the Active Maintenance Training Simulator (AMTS), Part Task Trainer (PTT) and ECS Curbside (ECSCS) stand alone.

The POMT AMTS consists of an ECS curbside shelter, an ECS roadside shelter, a radar curbside interior/exterior shelter and a radar roadside interior/exterior shelter. The AMTS provides system training on the ECS and radar. Several hardware items are duplicated in non tactical positions to enhance training capabilities.

The POMT ECSCS consists of two ECS curbside shelters that duplicate the hardware and training capabilities of the AMTS ECS curbside.

The POMT PTT consists of an ECS Display and Control Console Simulator (DCCS) and a radar Final Modulator Simulator (FMS). In addition, the PATRIOT System Maintenance Trainer (PSMT) student scenarios utilize PTT hardware.

Physical Information:
(Information not available)

Equipment Required, Not Supplied:
(Information not available)

Special Installation Requirements:
(Information not available)

Power Requirements:
(Information not available)

Applicable Publications:
(Information not available)

Reference Publications:
MI-CP1503761F, POMT Prime Item Development Specification
BR 22816-1, POMT 1 and 2 AMTS Operator's Manual
BR 22816-2, POMT 1 and 2 AMTS Maintenance Manual
BR 22816-3, POMT 1 and 2 AMTS RPSTL
BR 22816-4, POMT 1 and 2 PTT Operator's Manual
BR 22816-5, POMT 1 and 2 PTT Maintenance Manual
BR 22816-6, POMT 1 and 2 PTT RPSTL
BR 22816-7, POMT 1 and 2 ECSCS Operator's Manual
BR 22816-8, POMT 1 and 2 ECSCS Maintenance Manual
BR 22816-9, POMT 1 and 2 ECSCS RPSTL

Training Requirements Supported:
(Information not available)

RADAR SET MARCH ORDER AND EMPLACEMENT (MO&E) TRAINER

(PICTURE NOT AVAILABLE)

Training Category/Level Utilized:
Air Defense Artillery/Level 3

Logistic Responsible Command, Service, or Agency:
AMCOM

Source and Method of Obtaining:
Not generally available for issue (limited production).

Purpose of Trainer:
To train Patriot missile crew members, Patriot operators and system mechanics, Patriot system maintenance technicians, and Patriot and Air Defense Commissioned officers in March order and emplacement (MO&E) tasks. All MO&E tasks will be trained using a training device instead of a tactical system. This reduces a Patriot radar set requirement for MO&E tasks by 223 hours.

Functional Description:
MO&E trainer is a mockup of the Patriot radar set physical characteristics as applied to march order and emplacement tasks. The trainer consists of a radar set trailer with outriggers, electrical power, a rotating platform with antenna face, and shelter.

Physical Information:
(Information not available)

Equipment Required, Not Supplied:
(Information not available)

Special Installation Requirements:
(Information not available)

Power Requirements:
(Information not available)

Applicable Publications:
(Information not available)

Reference Publications:
(Information not available)

Training Requirements Supported:
(Information not available)

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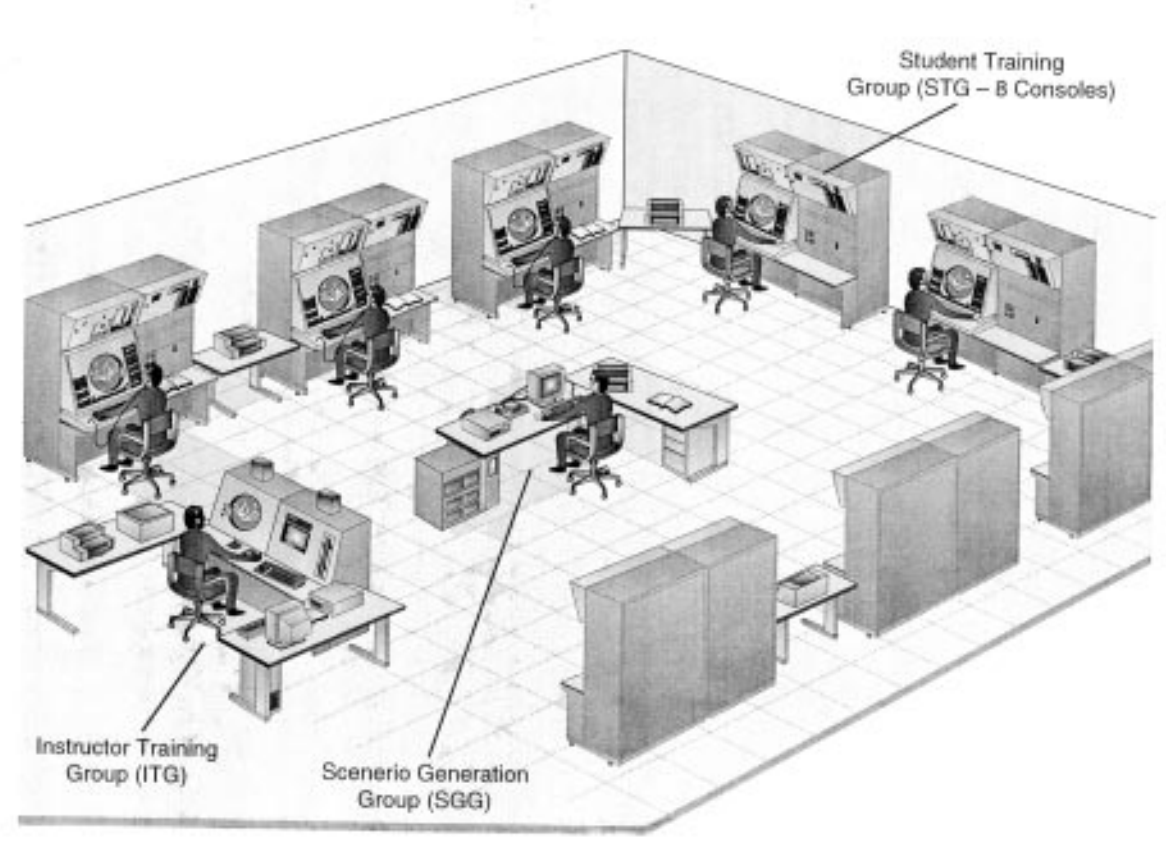
PATRIOT CONDUCT OF FIRE TRAINER (PCOFT)



Training Category/Level Utilized:
Air Defense Artillery/Level 3

Logistic Responsible Command, Service, or Agency:
AMCOM

Source and Method of Obtaining:
Not generally available for issue (limited production).

Purpose of Trainer:
The Patriot Conduct of Fire Trainer (PCOFT) is used to train operators in initialization and air defense battle procedures. The trainers can be used to simulate an individual or paired fire unit, a paired battalion, a netted battalion (MICC+SICC). Battalion models can have simulated Hawk fire units. One PCOFT can simulate training up to four battalions. The PCOFT trains 100% of the air defense Patriot tasks.

Functional Description:
The PCOFT training device consists of eight individual student operator positions which provide students with the capability to train in PATRIOT systems initialization, monitoring, and tactics at both the ECS and ICC manstations. The student performs these tasks in response to displays, controls and communications actions.

The PCOFT is divided into three major components: the Scenario Generation Group (SGG), Instructor Training Group (ITG) and the Student Training Group (STG).

The STG is the student interface with the PCOFT. The STG interacts with the students using PATRIOT console replicas of man stations 1 and 3 int ECS and ICC. The students perform practical exercises using embedded training software such as Troop Proficiency Trainer (TPT). The STG supports voice communications and digital communications for collective practical exercises in which one or more ECS and/or ICCs are simulated in netted tactical training. The STC consists of eight student station consoles. Each student console contains a Versa Module Eurocard (VME) rack populated with numerous modules. The VME rack includes a Silicon Graphics (SGI) board set which drives all the lights,

switches and video monitors of the student station. An Expanded Weapons Control Computer (EWCC) provides tactical computation and data as required by the training scenarios. An EWCC is shared for every 2 student consoles.

The ITG facilitates the administration of student training on the PCOFT. It provides teh means to monitor and control training sessions, and provides support for evaluation and maintenance of student records. The ITG stores courseware which was developed on the SGG and conduct transactions with the STG involving exercise of control and transfer of data. The ITG is built around a SGI workstation attached to a color and laser printer. The ITG has three monitors: a raster scan monitor for the stimulated PARTIOT display and two terminals for instructor input and output. All software and scenario data is inputted to the ITG using the optical disk drive through the workstation processor. The color printer allows the instructor to print student station screens for potential analysis.

The SGG, supplemented by the STG, enables scenario designers to service requests from instructors or field training officers for new training scenarios. The major components of the SGG are a SGI workstation, an optical disk drive, a laser printer, a CD-ROM and SGG unique application software.

Physical Information:
(Information not available)

Equipment Required, Not Supplied:
(Information not available)

Special Installation Requirements:
(Information not available)

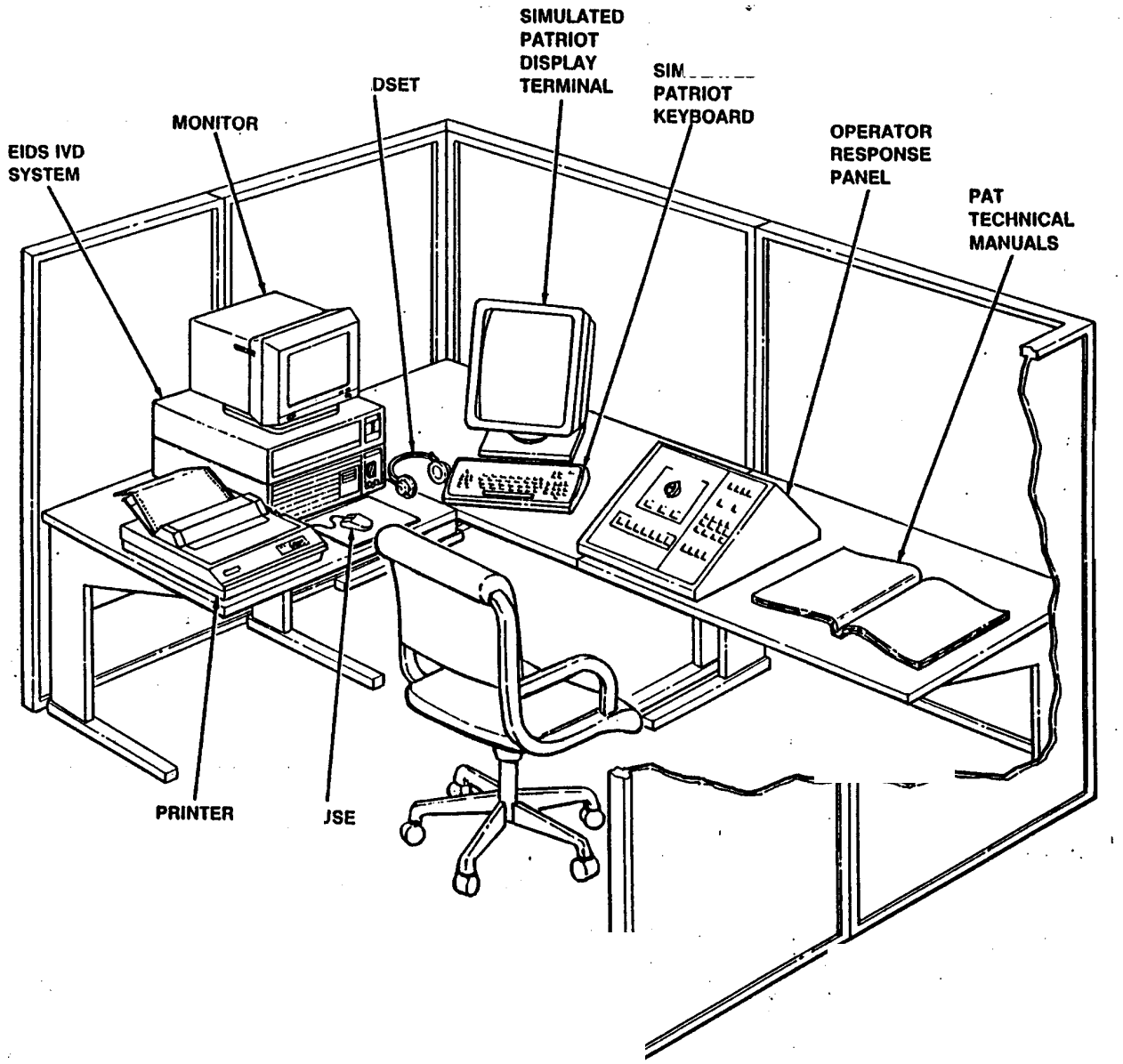
Power Requirements:
(Information not available)

Applicable Publications:
(Information not available)

Reference Publications:
SSG Software User's Manual
ITG Software User's Manual
Operator's Manual - BR21886-1
Maintenance Manual Volume 1 and 2 - BR21886-2
Repair Parts and Special Tools List - BR21886-3

Training Requirements Supported:
(Information not available)

PATRIOT INTERMEDIATE MAINTENANCE INSTITUTIONAL TRAINER (PIMIT)



Training Category/Level Utilized:
Air Defense Artillery/Level 1

Logistic Responsible Command, Service, or Agency:
STRICOM

Source and Method of Obtaining:
Not generally available for issue (limited production).

Purpose of Trainer:
Provides training in the proper use of higher level maintenance software tools, technical manuals, and analytic techniques that will eventually be applied in tactical situations to solve problems above the capability of the Patriot organizational; level maintainer.

Functional Description:
The Patriot Intermediate Maintenance Institutional

Trainer (PIMIT) operational software controls all operations and communications with the peripheral equipment through unique software drivers. The operational software determines the sequence of operations according to step-by-step instructions contained in a given scenario data file. Information is presented to the user by means of a color monitor, printer, display terminal, or Operator Response Panel (ORP). The user responds to the information using the mouse, keyboard, or ORP.

Physical Information:

LVC2001/AT Computer w/Video Disk Player and Keyboard: 54 lb
Color Monitor: 27.5 lb
Printer: 9 lb
Simulated Patriot Keyboard: 8 lb
Display Terminal: 26.4 lb
Operator Response Panel: 17.5 lb

Equipment Required, Not Supplied:

None

Special Installation Requirements:

None

Power Requirements:

110 vac, 60 Hz

Applicable Publications:

BR 18923 Operator's Maintenance, and Repair Parts and Special Tools List

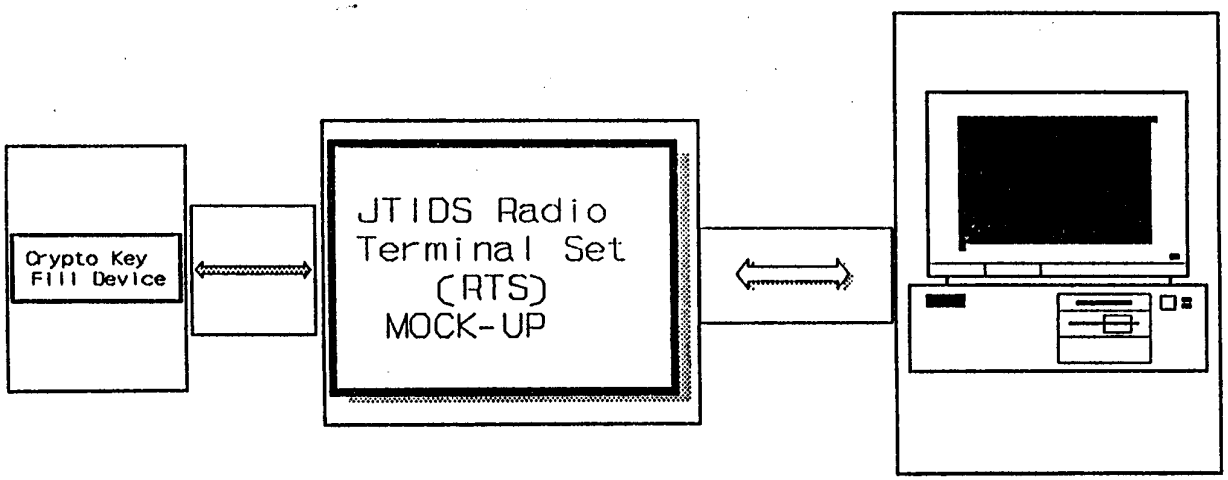
Reference Publications:

None

Training Requirements Supported:

(Information not available)

JOINT RADIO OPERATOR AND MAINTENANCE PROCEDURES SIMULATOR (JROMPS)



Training Category/Level Utilized:
Air Defense Artillery/Level 3

Logistic Responsible Command, Service, or Agency:
STRICOM

Source and Method of Obtaining:
Available through local TSC.

Purpose of Trainer:
Provides standalone classroom training for the JTIDS Radio Terminal Set (RTS) operator/maintainer in lieu of using highly expensive and critically available tactical JTIDS RTS equipment.

Functional Description:
The Joint Radio Operator and Maintenance Procedures Simulator (JROMPS) consists of a Standalone Workstation (Student Computer, RTS Mock-up, and Crypto Key Fill Device), and a Networked Instructor Monitor Console (ICP Personal Computer). The Student Computer has an Intel 486DX2/66 microprocessor, 15" monitor, trackball, Keyboard, 545 MB hard drive, 3.5" floppy drive, and three I/O cards. The Networked Instructor Monitor Console has a Pentium microprocessor, 16 MB RAM, 15" monitor, trackball, Keyboard, 1 GB hard drive, and 3.5" floppy drive.

As a simulator/emulator of the tactical JTIDS RTS equipment, the JROMPS Computer Software Configuration Item (CSCI) will provide Forward Area Air Defense Command and Control (FAAD C^2) operator/maintainer personnel with the basic skills for operating the RTS, Indicator Control Panel (ICP), KYK-13 Crypto Key Fill Device controls and indicators, and for performing unit level operator maintenance diagnostic procedures.

Physical Information:
Student Computer: N/A
RTS Mock-up: Same size as tactical RTS; 65 lb
Crypto Key Fill Device: 3.7" x 1.4" x 2.1"; Same weight as actual unit
ICP Personal Computer: N/A

Equipment Required, Not Supplied:
None

Special Installation Requirements:
None

Power Requirements:
110 vac, 60 Hz

Applicable Publications:
JROMPS V1 User's Manual

Reference Publications:
None

Training Requirements Supported:
None (currently used to augment unit training)

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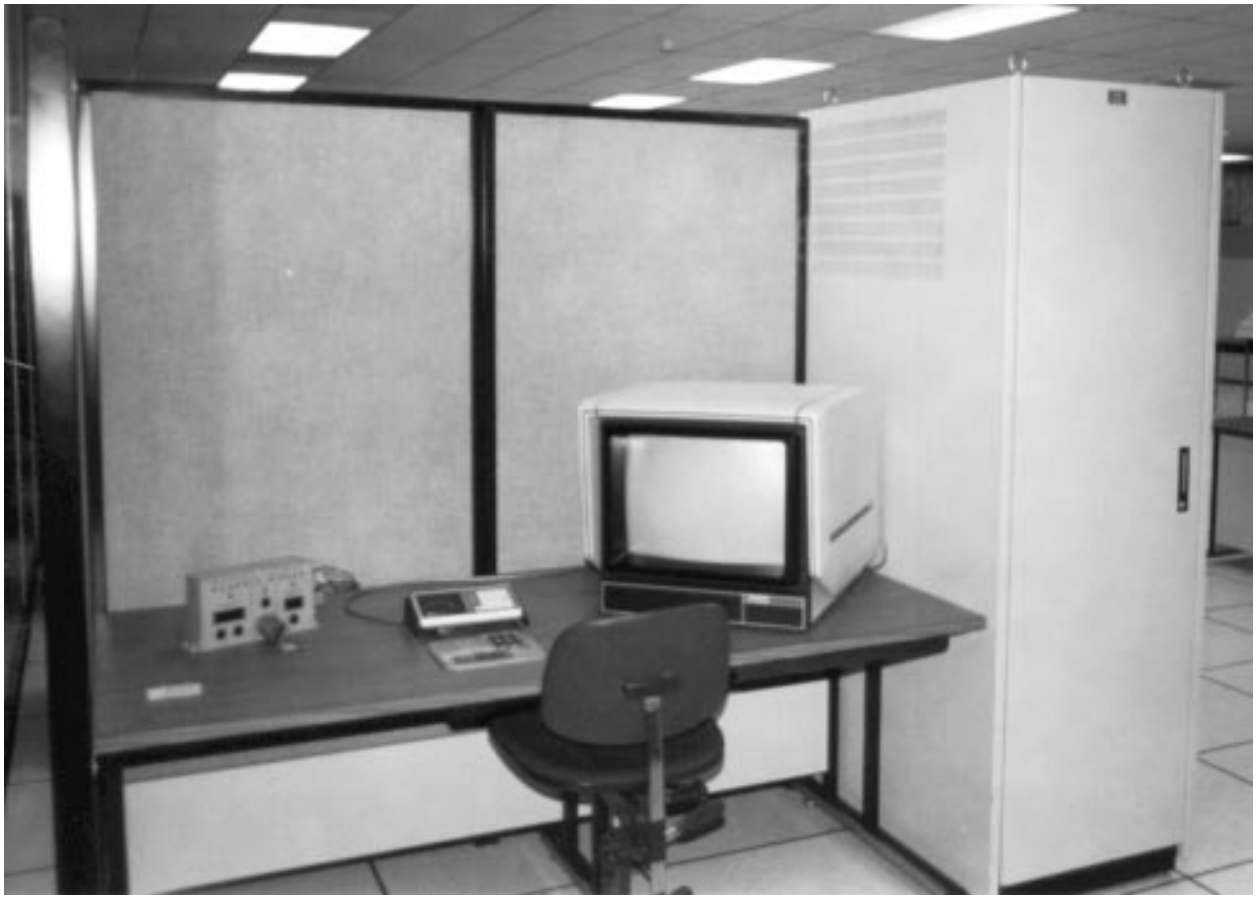
WEAPON SYSTEM DEVELOPMENT TRAINER (WSD-T)

DVC 44-71A



Training Category/Level Utilized:
Air Defense Artillery/Level 1

Logistic Responsible Command, Service, or Agency:
STRICOM

Source and Method of Obtaining:
Not generally available for issue (limited production).

Purpose of Trainer:
To provide Weapon System Development (WSD) operator and maintenance personnel experience in reacting to typical problem situations encountered by the tactical system.

Functional Description:
The WSD Trainer is a network of computers, computer peripherals, and application hardware/software configured to provide multiple student training stations and a centralized instructor station for purposes of training operator and maintenance personnel. Each WSD Trainer consists of one Instructor Station, eight Student Stations, and a Power Distribution Unit.

Physical Information:
Instructor Station: 750 lb
Student Station (8 ea): 600 lb
Power Distribution Unit: 625 lb

Equipment Required, Not Supplied:
Raised floor air conditioned Computer room with Roto pac Model M4 power conditioner.

Special Installation Requirements:
Controlled temperature/humidity

Power Requirements:
208 vac, 3 Phase, 60 Hz @ 50 KVA

DVC 44-71B

Applicable Publications:
TPD-85-16 Operation and Maintenance for WSD

Reference Publications:
None

Training Requirements Supported:
None

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